

0590  
08/3

#2



OIQE

#2

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/086,972

DATE: 08/14/2002

TIME: 15:22:34

Input Set : N:\Crif3\RULE60\10086972.raw

Output Set: N:\CRF3\08142002\J086972.raw

1 <110> APPLICANT: Hoek, Robert M.  
 2 Sedgwick, Jonathan D.  
 3 <120> TITLE OF INVENTION: Novel Uses of Mammalian OX2 Protein and Related  
 4 Reagents  
 5 <130> FILE REFERENCE: DX0936K  
 6 <140> CURRENT APPLICATION NUMBER: 10/086,972  
 7 <141> CURRENT FILING DATE: 2002-03-01  
 9 <150> PRIOR APPLICATION NUMBER: US/09/547,432  
 10 <151> PRIOR FILING DATE: 2000-04-12  
 13 <160> NUMBER OF SEQ ID NOS: 3  
 14 <170> SOFTWARE: PatentIn Ver. 2.0  
 16 <210> SEQ ID NO: 1  
 17 <211> LENGTH: 274  
 18 <212> TYPE: PRT  
 19 <213> ORGANISM: primate  
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 24 20 25 30  
 25 Gln Asp Glu Arg Glu Gln Leu Tyr Thr Thr Ala Ser Leu Lys Cys Ser  
 26 35 40 45  
 27 Leu Gln Asn Ala Gln Glu Ala Leu Ile Val Thr Trp Gln Lys Lys Lys  
 28 50 55 60  
 29 Ala Val Ser Pro Glu Asn Met Val Thr Phe Ser Glu Asn His Gly Val  
 30 65 70 75 80  
 31 Val Ile Gln Pro Ala Tyr Lys Asp Lys Ile Asn Ile Thr Gln Leu Gly  
 32 85 90 95  
 33 Leu Gln Asn Ser Thr Ile Thr Phe Trp Asn Ile Thr Leu Glu Asp Glu  
 34 100 105 110  
 35 Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe Gly Phe Gly Lys Ile Ser  
 36 115 120 125  
 37 Gly Thr Ala Cys Leu Thr Val Tyr Val Gln Pro Ile Val Ser Leu His  
 38 130 135 140  
 39 Tyr Lys Phe Ser Glu Asp His Leu Asn Ile Thr Cys Ser Ala Thr Ala  
 40 145 150 155 160  
 41 Arg Pro Ala Pro Met Val Phe Trp Lys Val Pro Arg Ser Gly Ile Glu  
 42 165 170 175  
 43 Asn Ser Thr Val Thr Leu Ser His Pro Asn Gly Thr Thr Ser Val Thr  
 44 180 185 190  
 45 Ser Ile Leu His Ile Lys Asp Pro Lys Asn Gln Val Gly Lys Glu Val  
 46 195 200 205  
 47 Ile Cys Gln Val Leu His Leu Gly Thr Val Thr Asp Phe Lys Gln Thr

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48          210          215          220
49    Val Asn Lys Gly Tyr Trp Phe Ser Val Pro Leu Leu Leu Ser Ile Val
50    225          230          235          240
51    Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu Leu Tyr Trp Lys
52          245          250          255
53    Arg His Arg Asn Gln Asp Arg Gly Glu Leu Ser Gln Gly Val Gln Lys
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55    Met Thr
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 278
58 <212> TYPE: PRT
59 <213> ORGANISM: rodent
60 <400> SEQUENCE: 2
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63    1          5          10          15
64    Ser Leu Ile Trp Gly Met Ala Ala Val Ala Leu Ser Thr Ala Gln Val
65          20          25          30
66    Glu Val Val Thr Gln Asp Glu Arg Lys Ala Leu His Thr Thr Ala Ser
67          35          40          45
68    Leu Arg Cys Ser Leu Lys Thr Ser Gln Glu Pro Leu Ile Val Thr Trp
69          50          55          60
70    Gln Lys Lys Lys Ala Val Ser Pro Glu Asn Met Val Thr Tyr Ser Lys
71          65          70          75          80
72    Thr His Gly Val Val Ile Gln Pro Ala Tyr Lys Asp Arg Ile Asn Val
73          85          90          95
74    Thr Glu Leu Gly Leu Trp Asn Ser Ser Ile Thr Phe Trp Asn Thr Thr
75          100          105          110
76    Leu Glu Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Thr Phe Gly Ser
77          115          120          125
78    Gln Lys Val Ser Gly Thr Ala Cys Leu Thr Leu Tyr Val Gln Pro Ile
79          130          135          140
80    Val His Leu His Tyr Asn Tyr Phe Glu Asp His Leu Asn Ile Thr Cys
81          145          150          155          160
82    Ser Ala Thr Ala Arg Pro Ala Pro Ala Ile Ser Trp Lys Gly Thr Gly
83          165          170          175
84    Thr Gly Ile Glu Asn Ser Thr Glu Ser His Phe His Ser Asn Gly Thr
85          180          185          190
86    Thr Ser Val Thr Ser Ile Leu Arg Val Lys Asp Pro Lys Thr Gln Val
87          195          200          205
88    Gly Lys Glu Val Ile Cys Gln Val Leu Tyr Leu Gly Asn Val Ile Asp
89          210          215          220
90    Tyr Lys Gln Ser Leu Asp Lys Gly Phe Trp Phe Ser Val Pro Leu Leu
91          225          230          235          240
92    Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu
93          245          250          255
94    Leu Tyr Trp Lys Arg His Arg Asn Gln Glu Arg Gly Glu Ser Ser Gln
95          260          265          270
96    Gly Met Gln Arg Met Lys
97          275

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99 <210> SEQ ID NO: 3
100 <211> LENGTH: 278
101 <212> TYPE: PRT
102 <213> ORGANISM: rodent
103 <400> SEQUENCE: 3
104   Met Gly Ser Pro Val Phe Arg Arg Pro Phe Cys His Leu Ser Thr Tyr
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106   Ser Leu Leu Trp Ala Ile Ala Ala Val Ala Leu Ser Thr Ala Gln Val
107               20             25             30
108   Glu Val Val Thr Gln Asp Glu Arg Lys Leu Leu His Thr Thr Ala Ser
109           35             40             45
110   Leu Arg Cys Ser Leu Lys Thr Thr Gln Glu Pro Leu Ile Val Thr Trp
111       50             55             60
112   Gln Lys Lys Lys Ala Val Gly Pro Glu Asn Met Val Thr Tyr Ser Lys
113       65             70             75             80
114   Ala His Gly Val Val Ile Gln Pro Thr Tyr Lys Asp Arg Ile Asn Ile
115               85             90             95
116   Thr Glu Leu Gly Leu Leu Asn Thr Ser Ile Thr Phe Trp Asn Thr Thr
117           100             105             110
118   Leu Asp Asp Glu Gly Cys Tyr Met Cys Leu Phe Asn Met Phe Gly Ser
119       115             120             125
120   Gly Lys Val Ser Gly Thr Ala Cys Leu Thr Leu Tyr Val Gln Pro Ile
121       130             135             140
122   Val His Leu His Tyr Asn Tyr Phe Glu Asp His Leu Asn Ile Thr Cys
123       145             150             155             160
124   Ser Ala Thr Ala Arg Pro Ala Pro Ala Ile Ser Trp Lys Gly Thr Gly
125           165             170             175
126   Ser Gly Ile Glu Asn Ser Thr Glu Ser His Ser His Ser Asn Gly Thr
127           180             185             190
128   Thr Ser Val Thr Ser Ile Leu Arg Val Lys Asp Pro Lys Thr Gln Val
129       195             200             205
130   Gly Lys Glu Val Ile Cys Gln Val Leu Tyr Leu Gly Asn Val Ile Asp
131       210             215             220
132   Tyr Lys Gln Ser Leu Asp Lys Gly Phe Trp Phe Ser Val Pro Leu Leu
133       225             230             235             240
134   Leu Ser Ile Val Ser Leu Val Ile Leu Leu Val Leu Ile Ser Ile Leu
135           245             250             255
136   Leu Tyr Trp Lys Arg His Arg Asn Gln Glu Arg Gly Glu Ser Ser Gln
137           260             265             270
138   Gly Met Gln Arg Met Lys
139           275

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**VERIFICATION SUMMARY**

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